

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A channel selection device used in a digital/analog broadcasting receiver comprising:

a receiving device for receiving an encoded digital/analog broadcasting signal originated from a broadcasting station;

a digital/analog decoder for decoding the digital/analog broadcasting signal received from the receiving device and then outputting the signal to a display;

a memory for storing channel information contained in the broadcasting signal decoded by the digital decoder;

an on-screen display output circuit, which provides a matrix display of channel information, wherein different main channels are listed across rows of the matrix and sub-channels are listed in a same column of the matrix as a corresponding main channel;

a control unit for controlling sections of the receiver, and,

an input device for inputting a user's instruction for channel selection to the control unit;

wherein the device receives a digital broadcast and an analog broadcast which are originated through different channels, the digital broadcast involves one or a plurality of sub-channels for originating contents, which sub-channels

are assigned a virtual channel headed by the same main channel number as that for analog broadcast, and;

the control unit, upon reception of the channel selection instruction from the input device, makes the receiving device to receive the broadcasting signal of a selected channel and makes the digital decoder to decode the received broadcasting signal, to obtain the channel information contained in the decoded broadcasting signal and then store the channel information in the memory;

wherein the input device has UP/DOWN keys and RIGHT/LEFT keys for giving a channel changing instruction, key pairs of which are assigned for main channel switch-over and sub-channel switch-over respectively; and

wherein the control unit selects the smallest channel number of the sub-channel from among the digital ones if the main channel contains a plurality of sub-channels, in channel changing on the basis of the channel changing instruction sent from the input device.

2. (Currently Amended) A channel selection device used in a digital/analog broadcasting receiver comprising:

a receiving device for receiving an encoded digital/analog broadcasting signal originated from a broadcasting station;

a digital/analog decoder for decoding the digital/analog broadcasting signal received from the receiving device and then outputting the signal to a display;

a memory for storing channel information contained in the broadcasting signal decoded by the digital decoder;

a control unit for controlling sections of the receiver, and,
an input device for inputting a user's instruction for channel selection to the control unit;

an On-Screen Display (OSD) output circuit that provides a matrix display of channel information stored in the memory with digital and analog contents as mixed at the display, wherein different main channels are listed across rows of the matrix and sub-channels are listed in a same column of the matrix as a corresponding main channel,

wherein the device receives a digital broadcast and an analog broadcast which are originated through different channels, the digital broadcast involves one or a plurality of sub-channels for originating contents, which sub-channels are assigned a virtual channel headed by the same main channel number as that for analog broadcast, and;

the control unit makes the receiving device to receive the broadcasting signal of a selected channel and makes the digital decoder to decode the received broadcasting signal, in order to obtain the channel information contained in the decoded broadcasting signal and then store the channel information in the memory; ~~characterized in that,~~

wherein the input device has UP/DOWN keys and RIGHT/LEFT keys for giving a channel changing instruction, key pairs of which are assigned for main channel switch-over and sub-channel switch-over respectively.

3. (Previously Presented) The channel selection device used in the digital/analog broadcasting receiver according to claim 2, wherein the control unit, in channel changing on the basis of the channel changing instruction sent from the input device, selects a preset sub-channel from among a plurality of sub-channels if contained in the main channels.

4. (Currently Amended) The channel selection device used in the digital/analog broadcasting receiver according to claim 2, ~~further comprising an On-Screen Display (OSD) output circuit for providing OSD display of a list of the channel information stored in the memory with digital and analog contents as mixed at the display,~~

~~wherein the OSD output circuit displays a list of the channel information on the display such that the main channels are aligned either horizontally or vertically and the sub-channels corresponding to the main channels are aligned either vertically or horizontally respectively, and also displays a channel selecting cursor which is interlocked with the UP/DOWN key or RIGHT/LEFT key operating instruction given through the input device.~~

5. (Original) The channel selection device used in the digital/analog broadcasting receiver according to claim 4, wherein the cursor is directly positioned at the top, when the cursor displayed in the channel information list moves as interlocked with the UP/DOWN key or RIGHT/LEFT key operating instruction for changing the main channel given through the input device.

6. (Currently Amended) A method for channel selection in a digital and analog broadcast receiver, the method comprising the acts of:

receiving digital and analog broadcast signals, wherein each of the analog broadcast signals correspond to a main channel, the digital broadcast signal involves one or more sub-channels, each of the one or more sub-channels being assigned a virtual channel using a same main channel as that of a corresponding analog channel;

assigning a first set of responses to an up or down command, and a second set of responses to a right or left command;

outputting a matrix display of channel information, wherein different main channels are listed across rows of the matrix and sub-channels are listed in a same column of the matrix as a corresponding main channel;

receiving a up, down, right or left command;

responding to the received command, wherein the first set of responses selects a sub-channel and the second set of responses selects a main channel,~~or~~
~~the first set of responses selects a main channel and the second set of responses selects a sub-channel.~~

7. (Previously Presented) The method of claim 6, further comprising the acts of:

outputting an on-screen display, wherein the on-screen display is a menu comprising main channels listed along a first axis and sub-channels listed along a second axis.